

January 28, 2005

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Ms. Angela Leef
REI Consultants, Inc.
225 Industrial Park Road
Beaver, WV 25813

Dear Ms. Leef:

This correspondence addresses the ongoing validation status of REI Consultants, Inc. of Beaver, WV by the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program, by the addition of explosives by Method 8330.

Your laboratory is now validated for the parameters listed below:

METHOD ⁽¹⁾	PARAMETERS	MATRIX ⁽²⁾
300.0/9056	Anions ⁽⁵⁾	Water ⁽³⁾
9010B/9012A	Cyanide	Water ⁽³⁾
9010B/9012A	Cyanide	Solids ⁽³⁾
8151A	Herbicides	Water ⁽³⁾
8151A	Herbicides	Solids ⁽³⁾
3510C/8081A	Organochlorine Pesticides	Water ⁽³⁾
3550B/8081A	Organochlorine Pesticides	Solids ⁽³⁾
8041	Phenols	Water ⁽³⁾
8041	Phenols	Solids ⁽³⁾
3510C/8082	Polychlorinated Biphenyls	Water ⁽³⁾
3550B/8082	Polychlorinated Biphenyls	Solids ⁽³⁾
3510C/8310	PAH	Water ⁽³⁾
3550B /8310	PAH	Solids ⁽³⁾
8330	Explosives	Water ⁽³⁾
8330	Explosives	Solids
3510C/8100	PAH	Water ⁽³⁾
3550B /8100	PAH	Solids ⁽³⁾
3510C /8270C	Semivolatile Organics	Water ⁽³⁾

3550B /8270C	Semivolatile Organics	Solids ⁽³⁾
3005A/3010A/3020A/6010B/7000A/7470A	TAL Metals ^(4, 6)	Water ⁽³⁾
3050B/6010B/7000A/7471A	TAL Metals ^(4, 6)	Solids ⁽³⁾
3005A/3010A/6020	TAL Metals ⁽⁴⁾	Water ⁽³⁾
3050B/6020	TAL Metals ⁽⁴⁾	Solids ⁽³⁾
9060	Total Organic Carbon	Water ⁽³⁾
3510C/Mod 8015B	TPH - DRO	Water ⁽³⁾
3550B/Mod 8015B	TPH - DRO	Solids ⁽³⁾
5030B/Mod 8015B	TPH - GRO	Water ⁽³⁾
5035/Mod 8015B	TPH - GRO	Solids ⁽³⁾
5030B/8260B	Volatile Organics	Water ⁽³⁾
5035/8260B	Volatile Organics	Solids ⁽³⁾

- Remarks:
- 1) Sample preparation methods have been added to reflect program policy change.
 - 2) 'Solids' includes soils, sediments, and solid waste.
 - 3) The laboratory has successfully analyzed a Proficiency Testing (PT) sample for this method/matrix.
 - 4) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.
 - 5) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.
 - 6) GF-AA 7000A series metals are: As, Se, Cd, Cr, Pb, Sb, and Tl.

Based on the successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples for the appropriate fields of testing, the results of the laboratory inspection, and your Corrective Action Report, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation has been previously established and expires on January 19, 2007.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Thomas Georgian at (402) 697-2567. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

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Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise